

AP Biology 046 – Communities

Video Review Sheet

www.bozemanscience.com/046-communities

1. What does BBECPO stand for?
2. What is community structure built on? (2x)
3. What is the key term for community interactions?
4. Growth: all populations start with what type of growth?
5. What is a community made of?
6. What is symbiosis and what are the three types?
7. Explain the Leaf-Cutter ant symbiotic relationship with the fungus
8. Concerning population growth: what are the two limiting factors and examples for each?
9. What is the carrying capacity?
10. Draw a simple age-structure diagram:
11. What happens when most of the population is very young?
12. How is the United State's age-structure diagram different from Angola's?

Review Sheet for AP Biology 046 – Communities

Contributed by Winnie Litten — YouTube - /mslittenbiology Twitter-@mslittenbiology

AP Biology 047 – Ecosystems

Video Review Sheet

www.bozemanscience.com/047-ecosystems

1. What is an ecosystem?
2. What is primary productivity?
3. Name and describe the two impacts on an ecosystem.
4. Humans often times make changes, that are quick and can lead to:
5. What are producers?
6. What do we measure primary productivity in? (units)
7. How is carbon added?
8. How is primary productivity measured in an aquatic environment?
9. What do food chains measure?
10. What is a trophic level? And what is Level 1? 2? 3? 4?
11. Define consumer
12. Which way do the arrows go in a food chain?....and how can you remember?
13. What does a food web show?
14. Each organism has an _____ to live where they are.
15. Initially, all growth is:
16. As you grow, there start to be _____ factors. Name the two.
17. All growth, eventually become _____

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18. What is “K”?

19. Describe what happened in Yellowstone Park with the introduction of the wolves? (Just the wolf population)

20. How does the wolf population relate to the elk population?

21. Example of man’s impact on an ecosystem:

a. Whitebark Pine produces:

b. _____ feed on them. The nuts are stored in _____

c. Grizzly bears _____ the abandoned middens.

d. Global climate change is impacting the number of Whitebark Pine populations which will eventually impact...DRAW A FLOWCHART (simple diagrams) showing the impact:

AP Biology 050 – Populations Video Review Sheet

www.bozemanscience.com/050-populations

1. Define symbiosis:
2. Explain the relationship(s) between the clown fish and the sea anemone/algae?
3. The Symbiosis can _____ or _____ an ecosystem.
4. Ecosystems are kept in check by:
5. If they are not in check a c_____ can happen.
6. Fill in the matrix of Interactions:

Effect on X	Effect on Y	Type of Interaction	Example explained....(name the organisms and their interactions)
			2 examples here:

7. How are the wolves and elk an example of a negative feedback loop?
8. Kudzu, once introduced into a new ecosystem, is unstoppable until now...what has happened?

AP Biology 055 – Biodiversity

Video Review Sheet

www.bozemanscience.com/055-biodiversity

1. E.O. Wilson – the _____ of Biodiversity.
2. Ecosystems: large areas where the _____ is the same, but they are in constantly in flux as the environment changes.
3. Keystone species defined:
4. Define biodiversity and the three aspects of it:
5. What is a monoculture?
6. How is farming contributing to a decrease in biodiversity?
7. Have we identified all the species on the planet?
8. Jaguar:
 - a. How many different species does the jaguar feed on?
 - b. It has a _____ impact on the population.
9. Sea Otter:
 - a. What is the connection between sea otters and kelp forests?
 - b. What organisms depend on the kelp forest?
 - c. What was the Orca connection to kelp forests?
10. Summarize E.O. Wilson's quote on biodiversity in your own words: